

## STRUCTURE, PRODUCTION AND USE OF HEREGULIN 2

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### Abstract of the Disclosure

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Novel 2 polypeptides with binding affinity for the p185HER2 receptor, designated heregulin 2- $\alpha$  and heregulin 2- $\beta$ , have been identified and purified from human tissue. The cDNA encoding the novel heregulin 2- $\alpha$  has been isolated from human tissue and sequenced. Provided herein is nucleic acid sequence of the heregulin 2- $\alpha$  useful in the production of heregulin 2- $\alpha$  by recombinant means. Further provided an amino acid sequence of heregulin 2- $\alpha$  and heregulin 2- $\beta$ . Heregulins and their antibodies are useful as therapeutic agents and in diagnostic methods.